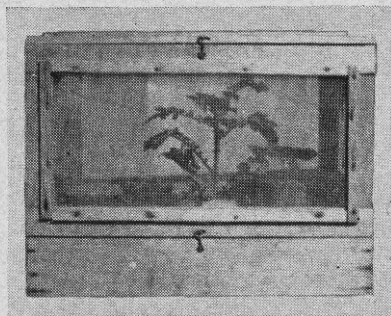


10% greater passage of light than 16 mesh wire cloth and 24% greater than the 24 mesh wire cloth.

Data submitted by Mr. J. F. Rohs of the Chicopee Manufacturing Company show that lumite is resistant to acids and most alkalies. It has zero moisture absorption and is impervious to solvents, oils, and greases, and will not rust or corrode. A further advantage of this product is that it can be left in position all year round and that it lasts more than one season.

The relative costs of various meshes used in entomological research are shown in Table 2.



Rearing cage showing transparency of plastic mesh

Conclusions:

Lumite is less expensive than wire cloth and allows greater light transmission. Although the plastic cloth is more expensive than cotton fabrics, it is more durable and can be used more than one year. It allows greater light penetration than aster cloth which deteriorates beyond use after one year's service.

Preliminary tests indicate that this new product answers the requirements of entomologists and plant pathologists in their research work.

North Dakota Farms Number, Size, and Type of Tenure

The number of farms in North Dakota in 1940 was 73,962, that number had dropped to 69,520 in 1945, a decrease of 4,442.

The average size of farms in North Dakota in 1940 was 512.9 acres—by 1945 that average size had risen to 589.8 acres. The percentage of farms operated by tenants in 1940 was 45.1 percent but the percentage of land rented by operators was 61.4 percent. The percentage of farms operated by tenants in 1945 had dropped to 27.8 percent and the percentage of land rented by operators had dropped to 48.0 percent. The percentage figures for percentage of land rented by operators are not strictly comparable because the acreage of all land in farms in 1940 was 37,936,136 and it had risen to 41,001,158 in 1945. The acreage of land operated by renters in 1940 was 23,295,284 and 19,679,582 in 1945—the decrease was therefore, actually 3,615,702 acres or 15.5 percent instead.

(Data from U. S. Census)